BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work

Construction of Roads and Drains in Chikkasandra and AGB layout in Ward No.17

Estimated Cost

Rs :- 100.00 Lakh

JOB Code :-

P - 3726

Office of the
Executive Engineer
Dasarahalli Division
BRUHAT BANGALORE MAHANAGARA PALIKE
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Construction of Roads and Drains in Chikkasandra and AGB layout in Ward No.17

Code :-

EST Cost 100.00 Lakhs

Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
Earth work excavation by manual means for drains,canals and similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, re- moval of stumps and other deleterious matter, excavated surface lev- eled and sides neatly dressed disposing off the excavated stuff or sort- ing & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.In all kinds of soils Depth upto 1.5 m complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -1, Pg No-5, I. No-1.4.1)								
For Drain Desilting AGB Layout								
11th B Main & Cross	Cum	2	215.00	0.45	0.25	48.38		
10th A Main		2	145.00	0.45	0.25	32.63		
11th A Main & cross		2	185.00	0.45	0.25	41.63		
2nd Cross		2	110.05	0.45	0.25	24.76		
3rd cross		2	112.00	0.45	0.25	25.20		
4th Cross		2	170.90	0.45	0.25	38.45		
11 th& 11th D main cross road		2	278.00	0.45	0.25	62.55		
Road Work								
11th B Main & Cross		1	210.00	5.00	0.15	157.50		
10th A Main		1	135.00	4.70	0.15	95.18		
11th A Main & cross		1	170.00	4.70	0.15	119.85		
2nd Cross		1	100.00	4.80	0.15	72.00		
3rd cross		1	112.00	4.80	0.15	80.64		
4th Cross		1	170.90	4.80	0.15	123.05		
11 th& 11th D main cross road		1	278.00	4.70	0.15	195.99		
Basic Rate	186.00					**1117.79**	**204.60**	**228700.00**
Add 10% Area weightage	18.60							
Total	**204.60**							
Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-15, I. No-3.5)								
AGB Layout								
11th B Main & Cross	Sqm	1	210.00	5.00		1050.00		
10th A Main		1	135.00	4.70		634.50		
11th A Main & cross		1	170.00	4.70		799.00		
2nd Cross		1	100.00	4.80		480.00		
3rd cross		1	112.00	4.80		537.60		
4th Cross		1	170.90	4.80		820.32		
11 th& 11th D main cross road		1	278.00	4.70		1306.60		
Basic Rate	4.00					**2126.92**	**4.40**	**9358.00**
Add 10% Area weightage	0.40							
Total	**4.40**							

Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
Loading and Unloading of Stone Boulder/ Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 m3) complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-3, I. No-1.1)								
Qty vide Item No 2	Cum		2126.92		0.05	106.35		
			Qty vide Item No 1			1117.79		
Basic Rate	83.00					**1224.14**	**91.30**	**111764.00**
Add 10% A.W	8.30							
Total	**91.30**							
Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road (Taking output 10 tonnes load and lead 10 km = 100 t.km) complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-3, I. No-1.4A)								
10 Km X 1.28t of item No 3	T/km	1	10.00	1224.14	1.28	15668.96		
Basic Rate	12.00					**15668.96**	**13.20**	**206830.00**
Add 10% A.W	1.20							
Total	**13.20**							
Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 For Grading -V Material complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-19, I. No-4.1-V)								
2nd Cross WO755		1	100.00	4.80	0.15	72.00		
3rd cross WO 753	Cum	1	112.00	4.80	0.15	80.64		
4th Cross WO756		1	170.90	4.80	0.15	123.05		
Basic Rate	2347.00					**275.69**	**2581.70**	**711744.00**
Add 10% Area weightage	234.70							
Total	**2581.70**							
Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-24, I. No-4.27)								
AGB Layout	Cum							
11th B Main & Cross		1	210.00	5.00	0.15	157.50		
10th A Main		1	135.00	4.70	0.15	95.18		
11th A Main & cross		1	170.00	4.70	0.15	119.85		
2nd Cross		1	100.00	4.80	0.15	72.00		
3rd cross		1	112.00	4.80	0.15	80.64		
4th Cross		1	170.90	4.80	0.15	123.05		
11 th& 11th D main cross road		1	278.00	4.70	0.15	195.99		
Basic Rate	2394.00					**844.20**	**2633.40**	**2223124.00**
Add 10% Area weightage	239.40							
Total	**2633.40**							

Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
Providing and applying primer coat with SSI grade Bitumen Emulsion on prepared surface of granual base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-29, I. No-5.1)								
AGB Layout	Sqm							
11th B Main & Cross		1	210.00	5.00		1050.00		
10th A Main		1	135.00	4.70		634.50		
11th A Main & cross		1	170.00	4.70		799.00		
2nd Cross		1	100.00	4.80		480.00		
3rd cross		1	112.00	4.80		537.60		
4th Cross		1	170.90	4.80		820.32		
11 th& 11th D main cross road		1	278.00	4.70		1306.60		
Basic Rate	42.00					**5628.02**	**46.20**	**260015.00**
Add 10% Area weightage	4.20							
Total	**46.20**							
Providing and laying Bituminous Macadam with 100 TPH capacity hot mix plant batch type using crushed aggregates of specified grading premixed with bituminous binder VG-30 @ 3.3% by weight of mix, transported to site, laid over a previously prepared surface with mechanical paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction complete as per directions of Engineer-in-charge. (PWD,CSR 2021-22. Vol -3, Pg No-29, I. No-5.6B)								
AGB Layout	Cum							
11th B Main & Cross		1	210.00	5.00	0.05	52.50		
10th A Main		1	135.00	4.70	0.05	31.73		
11th A Main & cross		1	170.00	4.70	0.05	39.95		
2nd Cross		1	100.00	4.80	0.05	24.00		
3rd cross		1	112.00	4.80	0.05	26.88		
4th Cross		1	170.90	4.80	0.05	41.02		
11 th& 11th D main cross road		1	278.00	4.70	0.05	65.33		
Basic Rate	6882.00					**281.40**	**7570.20**	**2130262.00**
Add 10% Area weightage	688.20							
Total	**7570.20**							
Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom complete as per directions of Engineer-in-charge. (PWD,CSR 2021-22. Vol -3, Pg No-29, I. No-5.3)								
AGB Layout	Sqm							
11th B Main & Cross		1	210.00	5.00		1050.00		
10th A Main		1	135.00	4.70		634.50		
11th A Main & cross		1	170.00	4.70		799.00		
2nd Cross		1	100.00	4.80		480.00		
3rd cross		1	112.00	4.80		537.60		
4th Cross		1	170.90	4.80		820.32		
11 th& 11th D main cross road		1	278.00	4.70		1306.60		

Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
Basic Rate	12.00							
Add 10% Area weightage	1.20					5628.02	13.20	74290.00
Total	**13.20**							
Providing and laying Bituminous Concrete with 100 TPH capacity hot mix plant batch type using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @5.2 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects complete as per directions of Engineer-in-charge. (PWD,CSR 2021-22. Vol -3, Pg No-34, I. No-5.14B)								
AGB Layout	Cum							
11th B Main & Cross		1	210.00	5.00	0.030	31.50		
10th C Main		1	135.00	4.70	0.030	19.04		
11th A Main & cross		1	170.00	4.70	0.030	23.97		
2nd Cross		1	100.00	4.80	0.030	14.40		
3rd cross		1	112.00	4.80	0.030	16.13		
4th Cross		1	170.90	4.80	0.030	24.61		
11 th& 11th D main cross road		1	278.00	4.70	0.030	39.20		
Basic Rate	10189.00					**168.84**	**11207.90**	**1892349.00**
Add 10% AW	1018.90							
Total	**11207.90**							
Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. :2015The finished surface to be level, uniform and free from streaks and holes complete as per directions of Engineer-in-charge. (PWD,CSR 2021-22. Vol -3, Pg No-57, I. No-8.15)								
AGB Layout	Sqm							
11th B Main & Cross	3	1	210.00	0.12		75.60		
10th C Main	3	1	135.00	0.12		48.60		
11th A Main & cross	3	1	170.00	0.12		61.20		
2nd Cross	3	1	100.00	0.12		36.00		
3rd cross	3	1	112.00	0.12		40.32		
4th Cross	3	1	170.90	0.12		61.52		
11 th& 11th D main cross road	3	1	278.00	0.12		100.08		
Basic Rate	478.00					**423.32**	**525.80**	**222584.00**
Add 10% AW	47.80							
Total	**525.80**							
							SUB TOTAL	**8071020.00**
							Add Tender Primium charges @ 5%	403551.00
							GST 18%	1525422.78
							Micelleneous and rounding off	**6.22**
							TOTAL	**10000000.00**

ದೃಢೀಕರಣ

ಮೇಲಿನ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿ ಈ ಹಿಂದೆ ಯಾವುದೇ ಅನುದಾನದಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವುದಿಲ್ಲ. ಹಾಗೂ ಪುನರಾವರ್ತನೆಯಾಗಿರುವುದಿಲ್ಲ ಎಂದು ದೃಢೀಕರಿಸಿದೆ.

Sl.	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount

2. ಸದರಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳು DLP ಅವಧಿಯಲ್ಲಿರುವ ರಸ್ತೆಗಳಲ್ಲಿ ಸೇರಿರುವುದಿಲ್ಲ.

3. ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಪಿ.ಡಬ್ಲ್ಯೂ.ಡಿ ಎಸ್.ಆರ್–2021–22ನೇ ಸಾಲಿನ ದರಗಳನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ ಹಾಗೂ Approved Data Rate ಅನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ.

4. ಸದರಿ ಕಾಮಗಾರಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿಯು ತುಂಬಾ ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ.

5. ಎಲ್ಲಾ ರಸ್ತೆಗಳು ಬಿಬಿಎಂಪಿಯ ಸರಹದ್ದಿನಲ್ಲಿರುತ್ತದೆ.

"counter signed"

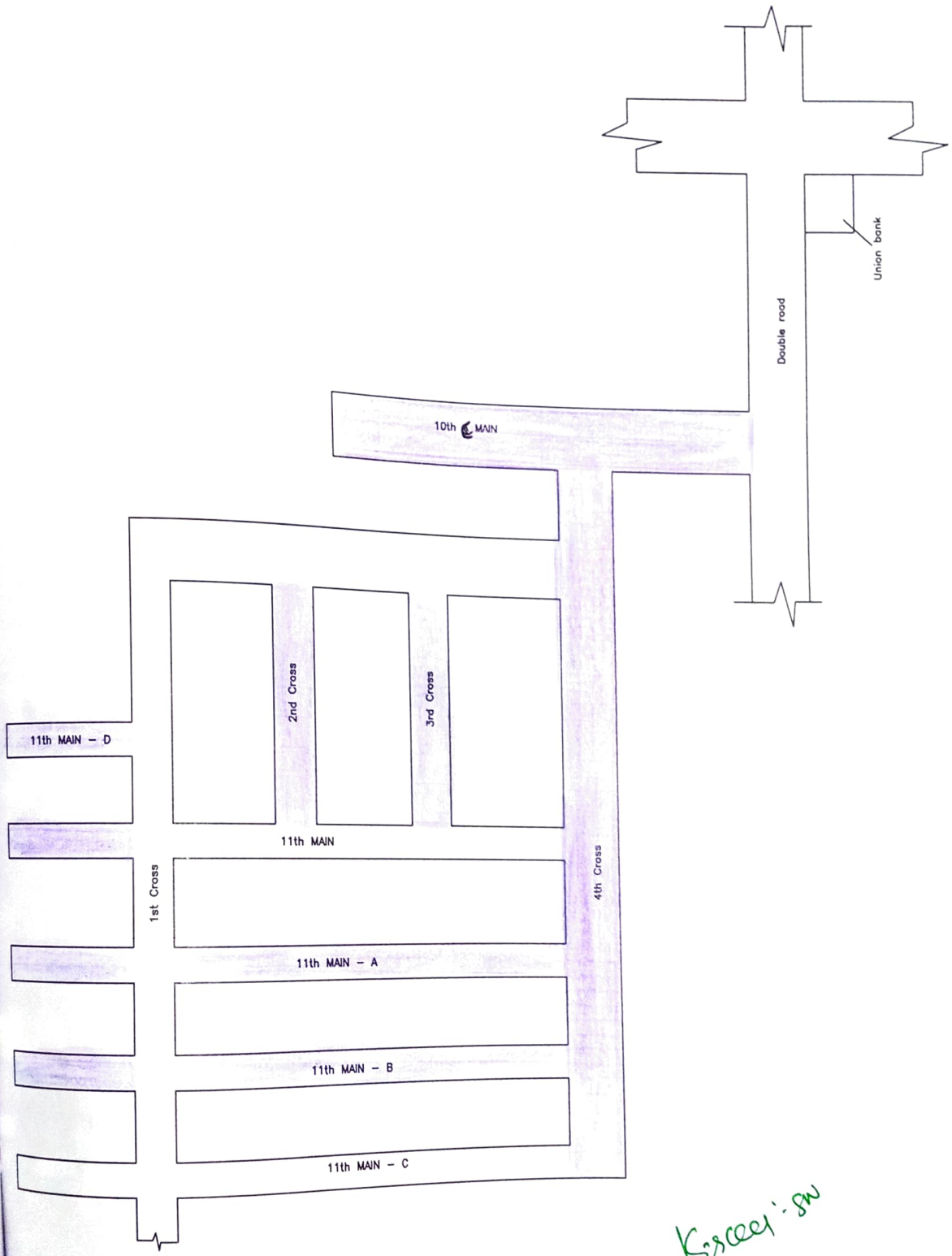
Assistant Engineer Ward No 12	Assistant Executive Engineer Shetty Halli Sub Division	Executive Engineer Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR 100.00L
(Rupees One hundred lakhs Only)
Under the Head of Account
P-3726
Registered as nc EE(D) DAS 34 Subject to conditions contained in Enclosed Memo
No. EE/DAS/AS/34/22-23 Dt: 18/11/22
JE/AE. (DASARAHALLI) BBMP

Technically Sanctione for Rs. 100.00 Lakhs
Rs. In words One Hundred Lakhs only
Under POW 2022-23
P-3726
Job Code No.
Registered as CE No. 26 / Subject to conditions contained in Enclosed Memo
No CE/D2/TS/26/22-23 Dt: 21/11/22
AE/JE

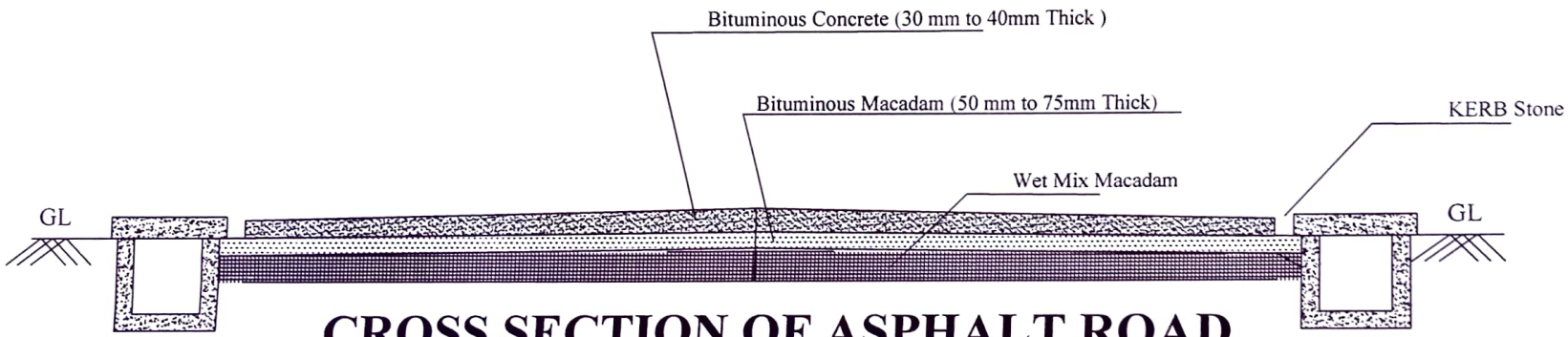
ಜಿಬಿಎಂಪಿ, ಬಂಗಳೂರು

Construction of Roads and Drains in Chikkasandra and AGB layout in Ward No.17



ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು

Construction of Roads and Drains Chikkasandra and AGB Layout in Shettyhalli Sub Division



CROSS SECTION OF ASPHALT ROAD

		ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು	Note :- Drawing Not to Scale